

KATIE J.A.C.H.

PROCESSED AND PROTECTED INDEX

Residual nitrogen and creatinine on different diets.
P. A. Kafiyev. *J. Physiol.* (U. S. S. R.) 15, 400-50
(1937).²² On a meat diet (I) the residual N (II) is twice as
great as on a carbohydrate diet. The increase of creatine-
creatinine (III) on I runs parallel with that of II, the
increase of N corresponding with the increase in III being
5% of the increase in II.
B. C. A.

ATA-SEA METALLURGICAL LITERATURE CLASSIFICATION

KATIYEVA, Z.H.

Pa

1ST AND 2ND ORDERS
PROCESSES AND PROPERTIES INDEX
1ST AND 2ND ORDERS
116

Glycolysis in the tissues of guinea pigs in experimental tuberculosis. R. A. Kadets. *Problemy Tuberk.* (Moscow) 1944, No. 3, 62-3.—Glycolytic degradation of sugar hydrates is increased in all cases much more distinctly than is the tissue respiration. The bulk of incompletely oxidized products leads to acids in general metabolism. In the liver of tuberculous guinea pigs the amt. of sugar before and after incubation is sharply lowered in comparison with healthy animals. G. M. Kosolapoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

141002	141003	141004	141005	141006	141007	141008	141009	141010	141011	141012	141013	141014	141015	141016	141017	141018	141019	141020	141021	141022	141023	141024	141025	141026	141027	141028	141029	141030	141031	141032	141033	141034	141035	141036	141037	141038	141039	141040	141041	141042	141043	141044	141045	141046	141047	141048	141049	141050	141051	141052	141053	141054	141055	141056	141057	141058	141059	141060	141061	141062	141063	141064	141065	141066	141067	141068	141069	141070	141071	141072	141073	141074	141075	141076	141077	141078	141079	141080	141081	141082	141083	141084	141085	141086	141087	141088	141089	141090	141091	141092	141093	141094	141095	141096	141097	141098	141099	141100	141101	141102	141103	141104	141105	141106	141107	141108	141109	141110	141111	141112	141113	141114	141115	141116	141117	141118	141119	141120	141121	141122	141123	141124	141125	141126	141127	141128	141129	141130	141131	141132	141133	141134	141135	141136	141137	141138	141139	141140	141141	141142	141143	141144	141145	141146	141147	141148	141149	141150	141151	141152	141153	141154	141155	141156	141157	141158	141159	141160	141161	141162	141163	141164	141165	141166	141167	141168	141169	141170	141171	141172	141173	141174	141175	141176	141177	141178	141179	141180	141181	141182	141183	141184	141185	141186	141187	141188	141189	141190	141191	141192	141193	141194	141195	141196	141197	141198	141199	141200	141201	141202	141203	141204	141205	141206	141207	141208	141209	141210	141211	141212	141213	141214	141215	141216	141217	141218	141219	141220	141221	141222	141223	141224	141225	141226	141227	141228	141229	141230	141231	141232	141233	141234	141235	141236	141237	141238	141239	141240	141241	141242	141243	141244	141245	141246	141247	141248	141249	141250	141251	141252	141253	141254	141255	141256	141257	141258	141259	141260	141261	141262	141263	141264	141265	141266	141267	141268	141269	141270	141271	141272	141273	141274	141275	141276	141277	141278	141279	141280	141281	141282	141283	141284	141285	141286	141287	141288	141289	141290	141291	141292	141293	141294	141295	141296	141297	141298	141299	141300	141301	141302	141303	141304	141305	141306	141307	141308	141309	141310	141311	141312	141313	141314	141315	141316	141317	141318	141319	141320	141321	141322	141323	141324	141325	141326	141327	141328	141329	141330	141331	141332	141333	141334	141335	141336	141337	141338	141339	141340	141341	141342	141343	141344	141345	141346	141347	141348	141349	141350	141351	141352	141353	141354	141355	141356	141357	141358	141359	141360	141361	141362	141363	141364	141365	141366	141367	141368	141369	141370	141371	141372	141373	141374	141375	141376	141377	141378	141379	141380	141381	141382	141383	141384	141385	141386	141387	141388	141389	141390	141391	141392	141393	141394	141395	141396	141397	141398	141399	141400	141401	141402	141403	141404	141405	141406	141407	141408	141409	141410	141411	141412	141413	141414	141415	141416	141417	141418	141419	141420	141421	141422	141423	141424	141425	141426	141427	141428	141429	141430	141431	141432	141433	141434	141435	141436	141437	141438	141439	141440	141441	141442	141443	141444	141445	141446	141447	141448	141449	141450	141451	141452	141453	141454	141455	141456	141457	141458	141459	141460	141461	141462	141463	141464	141465	141466	141467	141468	141469	141470	141471	141472	141473	141474	141475	141476	141477	141478	141479	141480	141481	141482	141483	141484	141485	141486	141487	141488	141489	141490	141491	141492	141493	141494	141495	141496	141497	141498	141499	141500	141501	141502	141503	141504	141505	141506	141507	141508	141509	141510	141511	141512	141513	141514	141515	141516	141517	141518	141519	141520	141521	141522	141523	141524	141525	141526	141527	141528	141529	141530	141531	141532	141533	141534	141535	141536	141537	141538	141539	141540	141541	141542	141543	141544	141545	141546	141547	141548	141549	141550	141551	141552	141553	141554	141555	141556	141557	141558	141559	141560	141561	141562	141563	141564	141565	141566	141567	141568	141569	141570	141571	141572	141573	141574	141575	141576	141577	141578	141579	141580	141581	141582	141583	141584	141585	141586	141587	141588	141589	141590	141591	141592	141593	141594	141595	141596	141597	141598	141599	141600	141601	141602	141603	141604	141605	141606	141607	141608	141609	141610	141611	141612	141613	141614	141615	141616	141617	141618	141619	141620	141621	141622	141623	141624	141625	141626	141627	141628	141629	141630	141631	141632	141633	141634	141635	141636	141637	141638	141639	141640	141641	141642	141643	141644	141645	141646	141647	141648	141649	141650	141651	141652	141653	141654	141655	141656	141657	141658	141659	141660	141661	141662	141663	141664	141665	141666	141667	141668	141669	141670	141671	141672	141673	141674	141675	141676	141677	141678	141679	141680	141681	141682	141683	141684	141685	141686	141687	141688	141689	141690	141691	141692	141693	141694	141695	141696	141697	141698	141699	141700	141701	141702	141703	141704	141705	141706	141707	141708	141709	141710	141711	141712	141713	141714	141715	14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CIA-RDP86-00513R000619910006-9

KERRY/CJG-VIC

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9"

SHCHEPETIL'NIKOVA, O.G., KAFIYEVA, Ye.A. (Moscow)

Determination of erythrocyte permeability in tuberculosis with labeled phosphorus. Klin.med. 36 no.4:104-107 Ap'58 (MIRA 11:5)

1. Iz Moskovskoy gorodskoy tsentral'noy klinicheskoy tuverkuleznoy bol'nitsy (rukoveditel' raboty - prof. F.A. Mikhaylov), glavnyy vrach - prof. V.L. Eynis)

(TUBERCULOSIS, blood in erythrocyte permeability, determ. with radiophosphorus (Rus))

(ERYTHROCUTES, in various dis. tuberc., determ. of permeability with radiophosphorus (Rus))

(PHOSPHORUS, radioactive determ. of erythrocyte permeability in tuberc. (Rus))

KAFIYEVA-LOLADZE, Ye.N., kandidat tekhnicheskikh nauk.

Gravimetric parameter for railroad station water pipelines.
Trudy Tb IIZHT no.28:124-134 '55. (MLRA 9:2)
(Railroad engineering) (Landslides)

KAFKA, A., MUDr.; KREJCI, Fr., MUDr.

New records in vaccinations. Cesk. zdravot. 4 no.3:168-173
Mar 56.

1. Okresni ustav narodniho zdravi v Mnichove Hradisti.

(RECORDS MEDICAL,

vacc. in vacc. record. (Cz))

(VACCINES AND VACCINATION,

vacc. record. (Cz))

KAFKA, A.

Country : USSR
Category : Farm Animals.
 Cattle.
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96868 Q
Author : Bartosh, S.; Bulanek, Ya.; Khatleova, A.;*
Institut. : -
Title : The Effect of Compulsory Exercise and Pasturage
 on the Metabolism of Calves.
Orig Pub. : Vestn. s.-kh. nauk, 1958, 2, 110-118
Abstract : Experiments have shown that raising on pasture
 and compulsory exercise have a favorable effect
 upon improving the respiratory, cardio-vascular
 and biochemical systems which are linked to the
 citric acid cycle.

Card: 1/1 *Kafka, A.

41

CZ/30-59-9-5/20

The First Czechoslovak 2 x 8 mm Motion Picture Camera "Admira 8F" for Amateurs, With a Built-in Exposure Meter

"Konstrukce a Výpočet Irisových Clon" (Design and Calculation of Iris Diaphragms), by Doctor of Natural Sciences Keprt, published on pp 14-16, Nr 1, 1957, of this periodical. The mathematical determination for parallax compensation is given by formulae (22) - (28) and is illustrated in Figure 11. The view finder of tilting system is shown in Figure 12. The photoelectric cell, produced by "CKD Mladá Boleslav" People's Enterprise in Prague, has a maximum sensitivity at 6,000 Å wave length and sensitivity limits between 4,000 and 9,000 Å. The light sensitivity ranges between $60 \pm 15,000$ lux. The measuring accuracy is $\pm 1.5/10$ DIN. The production of auxiliary lenses with f 6.25 mm and f 25 mm is planned. The film sensitivity dial is shown on Photograph 13. Side views of the camera are shown on Photographs 14 and 15 and the rear view on Photograph 16. There are: 12 diagrams and 4 photographs.

SUBMITTED: May 4, 1959

See.

Card 2/2 Monthly List of East European Accesion,
EEAI), L.C. Vol. 8 No. 14, Dec. 1959

KAFKA, B., inz.

Design and calculation of gearings from plastics for precision mechanisms of photographic and motion-picture apparatus. Jemna mech opt 9 no. 6:186-190 Je '64

1. Meopta, Research Institute of Optics and Precision Mechanics,
Prerov.

KAFKA, B.

Stereophotographic method for measuring deformations in plane
models. Zav.lab. 30 no.3:360 '64. (MIRA 17:4)

1. Institut teoreticheskoy i prikladnoy mekhaniki Chekhoslo-
vatskoy Akademii nauk.

KAFKA, B.

The first Czechoslovak amateur 28 mm. Admira 8F motion-picture camera with a built-in exposure meter. p. 303.

JEPHA MECHANIKA A OPTIKA. (Ministerstvo všeobecního strojírenství) Praha,
Czechoslovakia.
Vol. 4, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 11, Nov. 1959
Uncl.

KAFKA, B., inz.

photoelectric resistance used for automatic control of exposure diaphragm.
Jemna mech tech 6 no. 7:200-203. Jl '61

1. Meopta Prerov, n.p., zavod Brno.

KAFKA, B., inz.

Slide and shear bearings from plastics, carriers of a new technology
in the photographic and cinematographic field of precision engineering.
Jemna mech opt 9 no. 9:283-287 S '64.

1. Research Institute of Optics and Precision Mechanics, Prerov.

KAFKA, Bedrich, inz.

Survey of the technical standards of amateur motion-picture cameras. Jeman mech opt 6 no.1:20-25 Ja '61.

KAFKA, B., inz.

For a higher technical standard in manufacture of photographic and
cinematographic apparatus. Jemna mech opt 7 no.12:364--367 D '62.

1. Ustav pro vyzkum optiky a jemne mechaniky, Prerov.

Re: 44-CP-64 RH
Soviet Union - People's Republic of China

SOURCE: Jema mechanika 4 vydania, no. 3, 1964, 263-267

KAFKA, Bedrich

Hardening of cast-iron molds for glass production. Sklar
a keramik:Suppl.: Vol 13 no.4:3-6 Ap '63.

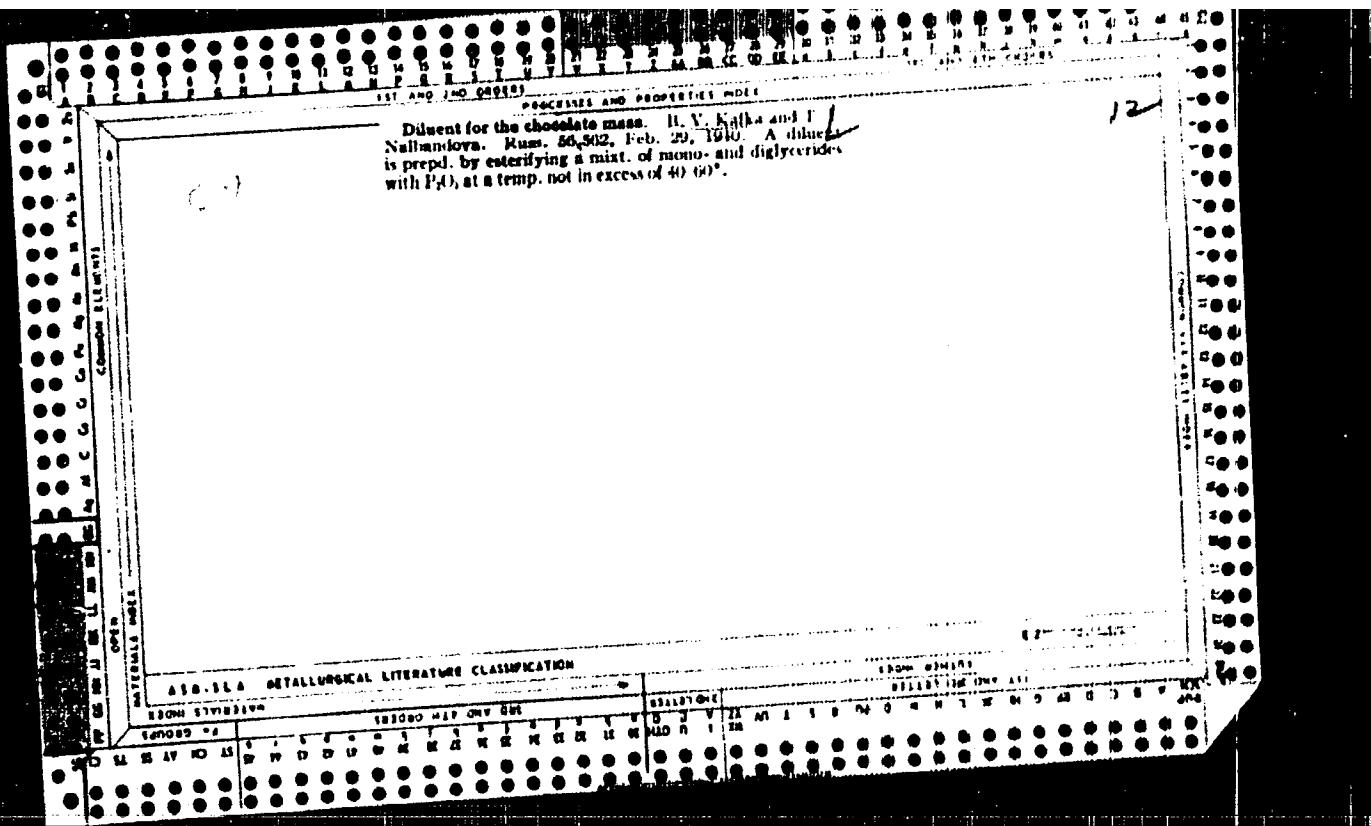
1. Obalove a lisovane sklo, narodni podnik, zavod Rudolfova
hut, Dubi.

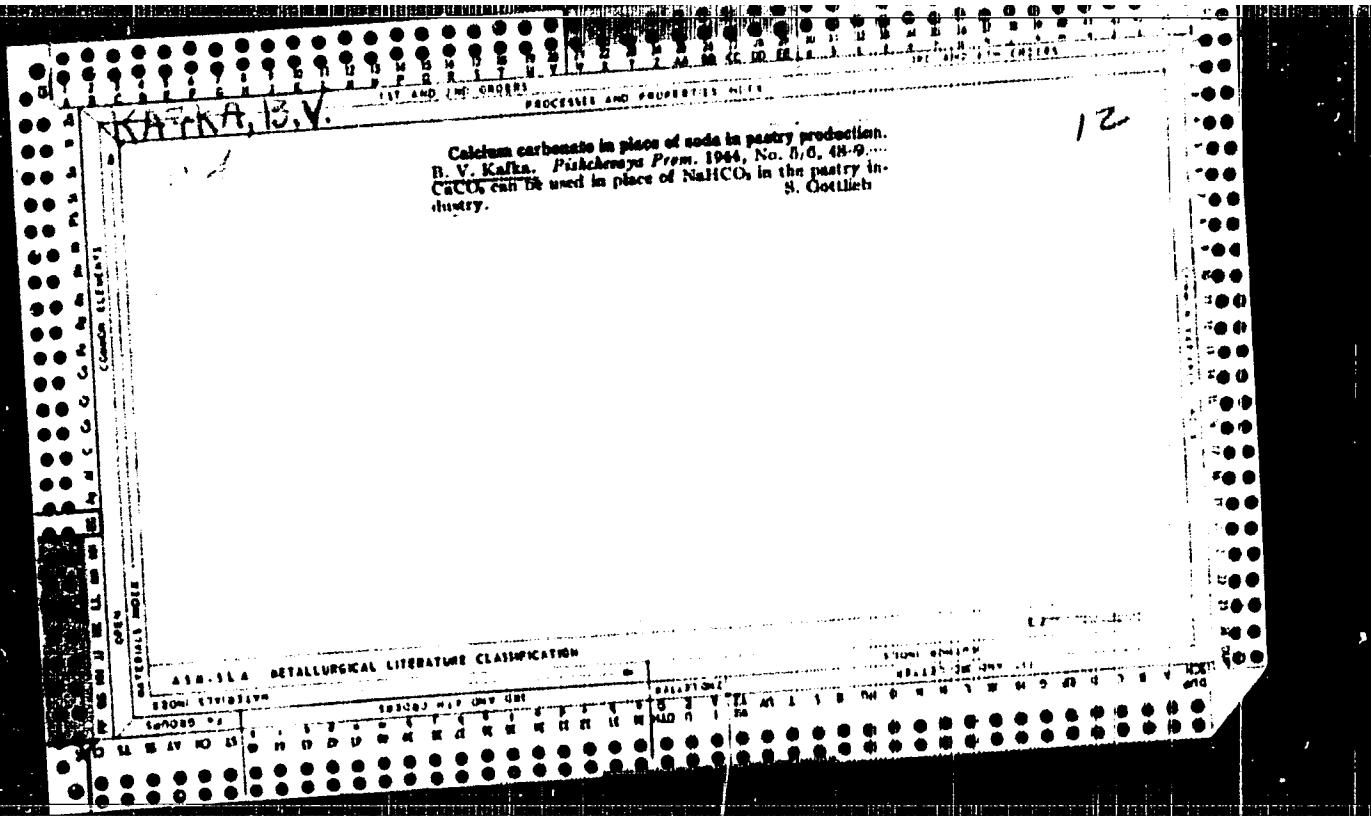
Thinner in the chocolate industry. B. V. Kafka and T. I. Maltzadova, *Ind. & Engg. Chem.,* 31, 1205 (1939). Patent No. 2,127,055. - Patents relating to emulsifying and viscosity-reducing agents for chocolate are reviewed. To facilitate production of mono- and diglycerides for use in chocolate an improved ester-interchange procedure was developed; it simplifies the process by using no pyridine or other solvent. Suitable app. for this method is described and illustrated. An improved method was also developed for esterifying glycerol or glycid with fat acids in presence of 2-naphthalenealdehyde acid to form monos- or diesters, and for esterifying residual free OH groups with PbO_2 to form complex phosphates, useful in chocolate. A relation has been established between the Ac no. of ester-interchange products and their PbO_2 requirement for phosphorylation. Organoleptic tests were applied to suintron, phosphated esters at 0.5% concn. in chocolate. On the basis of a new test for softening effect in chocolate, with 0.1% of each agent, several compds. were selected which approach the potency of a standard com. agent. Comparisons were also made with the effect of cacao butter. The best agent, prepared by the new method is designated "P-24". It is made from equal parts of coconut oil, palmitin-stearin (macroglycerine) and castor oil, and is equiv. to 20 times its wt. of cacao butter. In general the efficacy of phosphated esters in chocolate is greater the higher the Ac no. of the fat after ester interchange. The mol. wt. of the fat acids in the original fat is also a factor. Julian F. Smith

Julian F. Smith

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9"





KA + KA, E.Y

PROCESSES AND PROPERTIES OF POLY

6

Conversion of alkaline copper residues into Fehling solution no. 2. B. V. Kafka. *Prikladnaya Prom.* 1943, No. 1, 55-7. Method of *V. V. Kostylev* whereby it is possible to recover tartaric acid from soins, remaining after reduction in which Fehling solution is used. The soin is evapd. to half its original vol., and Cu is removed by a method that depends on the procedure in which the residue was produced. Tartaric acid is pdtd. as the K II salt by making the soin. acid to methyl orange with 7.6% *N*H₂SO₄, and adding 30-40 ml. of 54.4% NaOAc. Cryst. is allowed to take place for 1 hr. at 5° and the crystals are filtered by suction and washed 3 times with cold water. By adding appropriate quantities of NaOH to a soin. of the crystals & soin. of K Na tartarate or Fehling soln. no. 2, which contains an excess of alkali, can be obtained.

Eugenie Kuhne

10.1.1.1 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9"

KAFKA, Boris Vyacheslavovich, professor; DAMASKINA, G.B., redaktor;
CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor

[Technical and chemical control in confectionery production] Tekho-
khimicheskii kontrol' konditerskogo proizvodstva. Moskva, Pische-
promizdat, 1956. 319 p.
(Confectionery) (MIRA 9:7)

KAFKA, B.V.

Rapid method for the determination of moisture content of confectionery products. Ref. nauch. rab. VKNII no.1:121-126 '57. (MIRA 11:3)
(Confectionery)

LUR'YE, I.I.; KAFKA, B.V., prof., spetsred.

[Latest achievements in the technical and chemical control of caramel production; rapid method for determining the amount of moisture in the caramel mass] Novoe v tekhnokhimkontrole karamel'nogo proizvodstva; ekspress-metod oprotseleniya kolichestva vlagi v karamel'noi masse, Moskva, GOSINTI, 1958. 9 p.
(MIRA 13:6)

(Caramel)

GRYUNER, Vsevolod Sergeyevich, prof., doktor tekhn.nauk; KAFKA, B.V., prof.,
retsenzent; MONTITSKIY, R.I., kand.tekhn.nauk, retsenzent; SI-
NEL'NIKOVA, TS.B., red.; SUDAK, D.M., tekhn.red.

[Science of starch, sugar, and confectionery commodities] Tovaro-
vedenie krakhmala, sakha i konditerskikh tovarov. Moskva, Gos.
izd-vo torg.lit-ry, 1959. 270 p. (MIRA 13:3)

1. Nauchno-issledovatel'skiy institut konditerskoy promyshlennosti
(for Kafka).
(Starch) (Sugar) (Confectionery)

DIKKER, G.L.; DRUZHININA, L.N., kand. tekhn. nauk, dots.; KSKENDEROV, A.A.,
kand. tekhn. nauk, dots.; KLYUYEVA, T.K., kand. tekhn. nauk, dots.;
LOGOTKIN, I.S., kand. tekhn. nauk; MEL'MAN, M.Ye., kand. tekhn. nauk,
dots.; MISNIK, I.A.; kand. tekhn. nauk; RUSH, V.A., dots.; RUKOSUYEVA,
A.N., dots., red.; KAFKA, B.V., prof., retsenzent; FERTMAN, G.I., dots.,
retsenzent; SOBOLEVA, M.I., dots., retsenzent; BUDNITSKAYA, R.S., kand.
tekhn. nauk, retsenzent; VOLKOV, Ye.N., kand. tekhn. nauk, retsenzent;
AREF'YEV, I.I., inzh., retsenzent; KHARITONOV, A.F., retsenzent; GUREVICH-
GUR'YEV, Ye.S., retsenzent; KUZ'MINSKIY, M.M., retsenzent; IMIKHOV, G.S.,
prof., retsenzent; KHOMUTOV, B.I., dots., retsenzent; BORODINA, Z.N.,
dots., retsenzent; BORISOVA, G.A., red.; MEDRISH, D.M., tekhn. red.

[Starch, sugar, honey, confectionery products, condiments, fats, milk,
and milk products] Khrakhmal, sakhar, med, konditerskie, vkusovye to-
vary, zhiry, moloko i molochnye produkty. Moskva, Gos. izd-vo torg. lit-
ry, 1961. 750 p. (MIRA 14:7)

(Food industry)

KAFKA, B.V.

Method of making drawn soft "Iris" candy. Khleb.i kond.prom.
6 no.6:ll-14 Je '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konditerskoy
promyshlennosti.
(Confectionery)

KAFKA, Boris Vyacheslavovich; LYADOVA, Galina Alekseyevna; NORMANOVA,
Raissa Dmitriyevna; CHERKASOVA, M.P., red.; KISINA, Ye.I.,
tekhn. red.

["Eno" coloring matter and its use for coloring confectionery
products] Enokrasitel' i ego primenenie pri okrashivanií kon-
ditorskikh izdelii. Moskva, Pishchepromizdat, 1963. 31 p.
(MIRA 16:12)

(Coloring matter in food)
(Grapes) (Confectionery)

KAFKA, Emanuel, inz.

Automatic lines for machining squares and curved parts in the
Soviet Union. Drevlo 19 no. 7:134-140 Ap 1964

1. Severočeské drevírske závody National Enterprise, Česká Lípa.

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9

KAFKA, Emanuel, inz.

~~Pay more attention to the transportation within lumberyards.
Drevo 19 no.6:214-216 Je '64.~~

1. Severoceske drevarske zavody, Ceska Lipa.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9"

KAFKA, F.

Kafka, F. Combustion tests with Czechoslovak low-grade fuels for
boilers with a mill-type fuel feed in the INOTA Electric Power Station.
(2d supplement) p. 1. ENERGETIKA. Praha. Vol. 5, no. 7, Aug, 1955.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4,
no. 10, Oct. 1955. Uncl.

KAFKA, H.

Precordial pain with electrocardiographic changes as a postoperative complication. Cas.lek.cesk. 89 no.26:750-753 30 June 50. (CLML 19:4)

1. Of the Third Gynecological Clinic (Head—Prof. J.Trapl, M.D.) and of the Second Internal Clinic (Head—Prof. A.Vancura, M.D.), Charles University.. Work group under Prof. F.Herles, M.D.

KAFKA, H.; DAUM, S.

Experimental studies of shock; postoperative modifications of blood volume. Rozhl. chir., Praha 30 no. 10:558-565 1951. (CIML 21:3)

l. Of the First Surgical Clinic (Head--Prof. A. Jirasek, M. D.) and of the Second Internal Clinic (Head--Prof. A. Vancura, M. D.), both of Charles University, Prague.

KAFKA, Hanus

DIENSTBLER, Emil, Doc Dr; BALIK, Josef, Dr; KAFKA, Hanus, Dr

Circulation rate in glaucoma. Cas.lek.cesk. 91 no. 45-46:1287-1289
14 Nov 52.

1. Z I. ocní kliniky Karlovy university a kardiologického oddelení
fakultního zdravotnického střediska v Praze.

(BLOOD CIRCULATION,

rate, in glaucoma)

(GLAUCOMA, physiology,

blood circ. rate)

KAFKA, H., MUDr

Central nervous regulation of leukocytic picture of the blood; review. Cas.lek.cesk. 91 no.50:1488-1490 12 Dec 52.

1. Z II. interni kliniky K.U. (prednosta prof. dr. A. Vancura).
(LEUKOCYTE COUNT,
central nervous regulation)
(CENTRAL NERVOUS SYSTEM, physiology,
regulation of leukocyte count)

LIBANSKY, J.; KAFKA, H.; KNOBLOCH, F.

Neurocirculatory asthenia. Cas. lek. cesk. 93 no. 40-41:1127-1135
8 Oct 54.

1. Z interniho, kardiologickeho a psychiatrickeho oddeleni fakultni
polikliniky v Praze
(NEUROCIRCULATORY ASTHENIA
diag. & ther.)

JANOUSEK, St.; KAFKA, H.; LIBANSKY, J.

Studies on respiration in neurocirculatory asthenia. Cas. lek.
cesk. 94 no.46:1246-1249 11 Nov 55.

1. Z polikliniky fakultni nemocnice.
(NEUROCIRCULATORY ASTHENIA, physiology,
resp.)
(RESPIRATION, in various diseases,
neurocirc. asthenia.)

SIROKY, A., MUDr.; LANGOVA, J., MUDr.; KAFKA, H., MUDr.

Functional conditions of acoustic and spatial analysors in
essential hypertension. Cas. lek. cesk. 94 no. 47-48:1313-
1318 25 Nov 55.

1. Z otorhinolaryngologicke katedy, vedouci: akmd. A. Precechtel.
ORL oddeleni Fakultni polikliniky v Praze, pred: doc. MUDr.
K. Blaha, Interni oddeleni, oddeleni Fakultni polikliniky v
Praze, pred: prof. MUDr. Fr. Herles.

(HYPERTENSION, physiology,
hearing tests & space perception.)
(HEARING TESTS, in various diseases,
hypertension.)
(SPACE PERCEPTION, in various diseases,
hypertension.)

CZECHOSLOVAKIA/Human and Animal Physiology. Blood Circulation.
General Problems.

T-5

Abs Jour: Rof Zhur-Biol., No 12, 1958, 55555

Author : Wolf, Jaromir; Kafka, Hanus.

Inst :

Title : The Hypertrophy of the Left Ventricle in Athletes.

Orig Pub: Vnitri lekarstvi, 1957, 3, No 11, 961-968.

Abstract: No abstract.

Card : 1/1

76

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910006-9"

KAFKA, H. (Karlovo namest. 32, Praha 2)

Elastic properties of peripheral arteries in diabetics; study on
diagnosis of the preclinical stage of arteriosclerosis of peripheral
vessels. Sborn. lek. 61 no.6:160-184 June 59.

1. Interni oddeleni fakultni polikliniky University Karlovy, prednosta
prof. dr. K. Herfort.

(DIABETES MELLITUS, compl.
arteriosclerosis obliterans, diag. of preclin. stage (Cz))

(ARTERIOSCLEROSIS OBLITERANS, compl.

diabetes mellitus, diag. of preclin. stage (Cz))

KAFKA, H.; ROTTA, J., s technickou spolupraci ZIROVNICKÉ, J., a STRZINKOVÉ, D.

Electrocardiography in rabbits during experiments with streptococci
and their products. I. Basic wave formation. Effect of experimental
situations on ECG. Cas.lek.cesk 100 no. 31:971-975 4 Ag '61.

1. Interní oddelení fakultní polikliniky v Praze, prednosta prof.
MUDr. K. Herfort. Ustav epidemiologie a mikrobiologie v Praze, ředitel
prof. MUDr. K. Raska.

(STREPTOCOCCAL INFECTIONS exper)
(ELECTROCARDIOGRAPHY)

KAFKA, H.; ROTTA, J., s technickou spoluprací ZIROVNICE, J.; STRZINKOVÉ, D.

Electrocardiography in rabbits during experiments with streptococci
and their products. II. Effect of streptococcal infections and
Schwartzman's reaction on rabbit ECG. Cas. lek. česk. 100 no. 31:976-981
4 Ag '61.

1. Interní oddělení fakultní polikliniky v Praze, prednosta prof. MUDr.
K. Herfort Ustav epidemiologie a mikrobiologie v Praze, reditel prof.
MUDr. K. Raska.

(STREPTOCOCCAL INFECTIONS exper)
(ALLERGY exper)
(ELECTROCARDIOGRAPHY)

KAFKA, H.

Contributions to the study of the preclinical stage of ischemic disease
of the extremities and heart. I. Elastic conditions of the arteries of
the lower leg in diabetics. Cor Vasa 3 no.4:250-258 '61.

1. Interne Abteilung der Poliklinik der Karlsuniversitat Prag.

(DIABETES MELLITUS pathology) (CORONARY VESSELS pathology)
(LTD blood supply) (ISCHEMIA)
(CONNECTIVE TISSUE pathology)

KAFKA, H.

Contributions to the study of the preclinical stage of ischemic disease of the extremities and heart. II. Elastic properties of the arteries of the lower leg in myocardial infarct. Cor Vasa 4 no.1:12-20 '62.

1. Interne Abteilung der Poliklinik der Karls-Universitat, Prag.
(MYOCARDIAL INFARCT physiol) (LEG blood supply)
(VASCULAR DISEASES PERIPHERAL physiol)

CIHAK, J.; DONNER, L.; DVORAK, L.; DVORAKOVA, H.; JEZIK, Vl.; KAFKA, H.; KOTATKO, J.; MALY, Vl.; REINIS, Z.

Effect of anticoagulant therapy on the mortality in myocardial infarct during first 6 weeks. Sborn.lek. 62 no.10:281-286 O '60.

I. I. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. V.Hoenig. II. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. Fr. Herles. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta akademik J.Charvat. IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. M Fucik. Interni oddeleni fakultni polikliniky v Praze 2, prednosta prof. dr. K.Herfort. Ustav organizace zdravotnictvi fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta prof. dr. V.Prosek.

(MYOCARDIAL INFARCT ther)

(ANTICOAGULANTS ther)

DIENSTBIER, E.; BALIK, J.; KAFKA, H.

Elastic properties of the arteries of the extremities in patients with glaucoma in relation to the biochemistry of lipids and the clinical course. Sborn. lek. 66 no.8:234-239 Ag'64

1. I. ocní klinika fakulty všeobecného lekarství University Karlovy v Praze (prednosta: prof. dr. E. Dienstbier, DrSc) a Kardiologické oddělení fakultní polikliniky (vedoucí: doc. dr. H. Kafka, CSc.)

KAFKA, Ivan, d-r; PRIAN, Marija, d-r

On the treatment of burns in children. Med. arh., Sarajevo 13 no.1:
51-62 Ja-F '59.

1. Hirurska klinika Medicinskog fakulteta u Sarajevu, sef: prof. d-r
Blagoje Kovacevic.
(BURNS in inf. & child)

KAFKA, Jiri

Synthesis of first difference analogs. (traj na zprac Inf 10.
26' 034 '64.

I. Czech Higher School of Technology, Computation Laboratory,
Prague.

REF ID: A657245 FMT(4) 1100-00513R000619910006-9 ABDC(a)/SSD/APWL/ASD(p)-3

7-7593-64-01 16-6157-1244

AUTHOR: Vojtěch, J.

TITLE: Synthesis of finite difference analogs

SOURCE: Československá akademie věd. Vyšský ústav matematických
strojů. Stroje na zpracování informací, no. 10, 1964, 267-284

TOPIC TAGS: finite difference analog synthesis, heat conduction,
elementary domain, electrical network, Green function

ABSTRACT: The problem of the synthesis of finite difference analogs on the basis of physical laws describing the original system without using differential equations is analyzed. A procedure is presented for synthesis containing the following five basic steps: 1) the formulation of the basic physical law; 2) the division of the body into a system of elementary domains ("bricks"); 3) the application of boundary conditions to each elementary physical phenomena in every brick; 4) the reduction of the original problem to a system of linear algebraic equations; 5) the solution of the system of linear algebraic equations.

Card 1/2

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ACCESSION NR: AT4646496

5) the determination of the accuracy of the finite-difference approximation. This problem can be evaluated by an implementation of a numerical method for solving a system of linear equations. The solution of the system of equations is based on a solution of the system of linear equations. The solution of the system of linear equations is based on a solution of the system of linear equations.

ASSOCIATION: Computation Laboratory, Czech Institute of Technology

SUBMITTER: 27/February ENCL: 00 SUB CODE: MA

NO REF Sov: 006 OTHER: 016

Card 2/2

L 45427-66 96

ACC NR: AT6029405

SOURCE CODE: CZ/2503/66/000/012/0067/0098

33
B+1

AUTHOR: Kafka, Jiri

ORG: Computation Laboratory, Czech Institute of Technology, Prague

TITLE: A finite-difference analogue of a quasi-stationary electromagnetic field

SOURCE: Ceskoslovenska akademie ved. Vyzkumny ustav matematickych stroju.
Stroje na zpracovani informaci., no. 12, 1966, 67-98

TOPIC TAGS: electromagnetic field, finite difference analog, single purpose
analog computer, electric circuit

ABSTRACT: The author applies the method of synthesis of finite-difference
analogs to the study of a quasi-stationary, two-dimensional, solenoidal, vector,
electromagnetic field. The resulting finite-difference equation can be considered
as an approximation of a partial differential equation of the parabolic type. It can
be solved by means of a d-c network analyzer. The method is found suitable for
calculating transient eddy currents and the skin effect. The above method makes
it possible to analyze the interaction of the field in the magnetic core and the

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ACC NR: AT6029405

current in the external circuit, attached to the winding. The remainder terms of finite-difference formulas are described, and the use of Green's function and the accuracy of the analog network are examined. In conclusion, the author notes that even if the analog is not actually realized the idea serves as a guide in the deduction of finite-difference equations and it guarantees correct results. Orig. art. has: 12 figures and 111 formulas.

[GC]

SUB CODE: 20, 09/ SUBM DATE: 20Feb64/ ORIG REF: 004/ SOV REF: 004/
OTH REF: 008/

15
Card 2/2

BILEK, J., Dr.; JANCARIK, A., Dr.; KAFKA, K., Inz.; LANDAU, L., Dr.

Research on domestic animal physiology. *Vestnik CSAZV* 7 no.4:232-235
'60. MEEAI 9:9)

(Czechoslovakia--Domestic animals)

KAFKA, K.

CZECH

Preparation and feeding of semistraw silages. P. Inádov
and K. Kafka (Výzkumný ústav živobrotové výroby ČSAZV)
Uhříněves, Czech.), Slovenské České Slovensko, Akad. Zemědělské
Vyd. 27B, 531-8(1964).—In May 1962, two experiments were
carried out in a concrete room with storage capacity, straw.
The first silage was composed of 41.83% oat and barley straw,
47.63% fresh green alfalfa, 1.7% commercial paste, and the
balance was water. It was opened 68 days and found
to be in a good condition. The loss by molding was 3.7%;
the total loss 23.70%. The second silage was composed
of 43.6% oat and wheat straw, 54.8% fresh green alfalfa,
1.2% potato flakes, 1% salt, and 0.4% flour and emulsifier.
It was opened in 92 days and also found to be in a good condition.
The total loss was 17.00%. The flavor of both
silages was satisfactory. Jan Mikl

KAFKA, K.

Brazing on spot-welding machines; also, remarks by B. Vrana. p. 114.
ZVARANIE Vol. 5, No. 4, Apr. 1956
Czechoslovakia

SOURCE: EAST EUROPEAN LISTS Vol. 5, No. 7, July 1956

KATERA. L.

Determination of silver in active carbon. B. L. Marshall and J. Kafsa. *Makrograna Röntgenstrahlung* 1944, 17(3) (in English).—Take (1.0) g. of sample and dry to get the moisture content. Dissolve in (10) ml. of 10% KMnO₄ soln., and heat on a sand bath for at least 4 hrs. Repeat this treatment 3 times or until the KMnO₄ shows no sign of being reduced when a fresh portion of soln. is added. Dry at 200° and heat in an elec. furnace for at least 4 hrs. Cool, spray with 100 ml. of water, and add 120 ml. of 12% H₂SO₄. Heat till dense fumes are evolved. Cool, add water and SO₂ soln. until all MnO₄⁻ or MnO₂ is reduced; use a little H₂O₂ if necessary. After evapg. dil. to about 250 ml., filter if necessary, and titrate the Ag⁺ by the Volhard method.

CLASSICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619910006-9"

KAFKA, L.

"Economy of Water in the Mining Industry", p. 250. (TECHNICKA PRACA,
Vol. 4, No. 5, May 1954, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

KAFKA, L.

Purification of waste waters from coal washing. p. 254.
VODA. Vol. 34, no. 8, Aug. 1954.

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 5, No. 6, June 1956 Uncl.

RAFIA, .

Preliminary systematization of administrative divisions. [1955].
ROZMÍSTY. (Ministerstvo stavebnictví) Praha. Vol. 3, no. 5,
May 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress,
Vol. 4, No. 12, December 1955.

KAFKA, L.

Experiences acquired during the 1954 floods.

p. 71
Vol. 5, no. 1/2, Mar. 1955
VODNI HOSPODARSTVI
Praha

SO: Monthly List of East European Accessions (EEAL), I.C., Vol. 5, no. 3
March 1956

Sanitary engineering, technological progress, and mechanization. p. 155.
VODA. (Ustredni sprava vojnih hor odv. civil) Praha. Vol.35, no. 6, June
1956.

SOURCE: West European Assessments List, Vol. 5, no. 9, September 1956

KAFKA, Tomas

J.R. Oppenheimer, winner of the 1963 Fermi Award. Pokroky mat. fyz
astr 9 no.2:118-119 '64.

KAFKA V.

syndromu

*Násé skusenosti v rozpoznávání a lečení adrenogenitálního dítěteho věku.
Diagnosis and treatment of the adrenogenital syndrome in childhood SHORN. LÉK.
1953, 55/4 (93-119) Tables 4 Illus. 10

This is a full discussion of the clinical, biochemical, psychosexual and therapeutic problems arising from the adreno-genital syndrome for the pediatrician, surgeon, radiologist, biochemist and gynaecologist. For the investigation to assess the size of the adrenals or the presence of a tumour the authors advocate pneumo-retroperitoneal insufflation according to the method of DeGennes-May and Simon, in preference to perirenal air insufflation. Thirteen cases seen between 1945 and 1952 are reported, 12 in girls and one in a boy. The ages range from 8 months to 10 yr. Two of the girls were diagnosed as suffering from carcinoma of the adrenal cortex, the others from adrenal hyperplasia. In 4 cases partial resection of one hyperplastic adrenal was carried out, removing approximately half the gland. Though the virilizing process was arrested postoperatively no regression of established clinical signs was noticed. Holzel - Manchester (VII, 3, 9, 10, 14)

SO:Excerpta Medica

Section VIII

Vol. 7 No. 11

KAFKA V.

Excerpta Medica Sec 16 Cancer Vol. 2/5 May 54

2446. KAFKA V., SEBEK A. and SNOBL O. Odd. pro dětskou a ortop. Chir. D.J.J.N.,
I. path. univ. Úst., II. dětské Klin., Karlova Univ., Praha. Ruhdomyplastický základ

2446 Cont.

měsíce močového v dětském věku Rhabdomyosarcoma of the urinary bladder in children Cas. Lék. čes. 1953, 92/44 (1188-1210) Illus. 22

A detailed description of the pathological, clinical and surgical features of rhabdomyosarcoma of the bladder. Methods of arriving at an earlier diagnosis are indicated. From 1937 the authors personally observed 7 such cases at ages ranging from 6 months to 3½ yr., and all but one in boys. In 2 cases removal of the tumour was impossible, and in 2 resection of the bladder was performed. Three cases were treated by pneumonectomy in one stage, without operative mortality. Two died about 6 months after operation from metastases and one is still living.

Kralice -- Prague

KAFKA, Vaclav; JANELE, Jiri

Splenectomy in children. Cas. lek. cesk. 93 no. 31-32:854-861
6 Aug 54.

1. z II. chirurgicke kliniky (prednosta prof. J. Divis), z II detske
kliniky (prednosta prof. J. Brdlik) K.U. a z oddeleni prof. detskou
a ortopedickou chirurgii (prim. Dr V. Tosovsky) D.F.M. v Praze.
(SPLNEN, surgery,
excis. in child.)

KAFKA, V.; HOLUB, V.; RASKA, B.; VANECHEK, J.

Benign tumors of the kidneys in childhood. Rozhl.chir. 34 no.1-2:
38-46 Feb '55.

1. Z detske fakultni nemocnice v Praze: oddeleni pro detskou a
orthopedickou chirurgii (prim. V.Tosovsky) I. detska klinika (prof.
J.Svejcar) II. pathologicko-anatomicky ustav KU (prof. V.Jedlicka)
(KIDNEYS, neoplasms
benign, diag. & surg. in child.)

KAFKA, V.; HNEVSKOVSKY, O.; BRODSKY, M.

Therapy of exstrophy of the bladder. Rozhl.chir. 34 no.1-2:92-103
Feb '55.

1. Z detske fakultni nemocnice v Praze, oddeleni detske chirurgie a
orthopedie (prim. V.Tosovsky) Z kliniky detske orthopedie (prof.
O.Hnevskovsky)

(BLADDER, abnormalities
exstrophy, pathol. & surg.)

(ABNORMALITIES
bladder exstrophy, pathol. & surg.)

KAFKA, V.

70th anniversary of academician Jiri Divis. Czech. pediat.
11 no.6:443-444 June 56.

(BIOGRAPHIES,
Divis, Jiri (Cz))

KAFKA, V.
KABELKA, M.; KAFKA, V.; KLEINT, Z.; ZAK, F.

Primary localized tumors of the pleura (mesotheliomas) in
childhood; report of 3 cases. Cesk. pediat. 11 no.12:881-887
Dec 56.

1. Kliniki Pediatricke Chirurgie KU v Praze, prednosta doc.
Dr. V. Kafka. II. Chirurgicka Klinika, Prednosta Akademik
J. Divis. II. Pathologicko-Anatomicky ustav Ku v Praze,
prednosta prof. Dr. V. Jeklicka.

(PLEURA, neoplasms
mesothelioma, in child. (Cz))
(MESOTHELIOMA, case reports
pleura, in child. (Cz))

KAFKA, V.; SVABENSKA, J.; KLOMINEK, J.

Diaphragmatic hernia in the newborn. Cesk. pediat. 11 no.12:
891-894 Dec 56.

I. Klinika Pediatricke Chirurgie, predn. doc. Dr. Vaclav Kafka.
I. detska klinika KU v Praze, predn. prof. Dr. Josef Svejcar.
III. detska klinika KU v Praze, predn. doc. Dr. Otto Vychytil.

(HERNIA, DIAPHRAGMATIC, in inf. & child

in newborn, surg. (Cz))

(INFANT, NEWBORN, dis.

diaphragmatic hernia, surg. (Cz))

KLEINT, Zd.; KAFKA, V.; MATEJOVSKY, M.; VLCEK, K.; ZAK, F.

Endobronchial sarcoma in three-year-old child. Cesk. pediat.
11 no.12:895-900 Dec 56.

1. II. Chirurgicka Klinika, predn. akademik Jiri Divis.-Klinika
Pediatricke Chirurgie, Predn. Doc. Dr. V. Kafka.-Klinika Detske
Otorhinolaryngologie KU v Praze, predn. doc. Dr. J. Chvojka.
-Detske Oddeleni o nemocnice v Klatovech, predn. prim. Dr. K. Vlcek
-III. ustan Propathologickou Anatomii KU, predn. prof. Dr.
V. Jedlicka.

(BRONCHI, neoplasms
endobronchial sarcoma in child, surg. (Cz))

~~Kafka, Vaclav~~

Aldosterone in obstetrics. Cas. lek. cesk. 96 no.42:135-140 18 Oct
57.

1. Porodnicko-gynekologicka klinika HLFKU prednosta doc. MUDr
Jaroslav Padovec. V. K., Praha II, Salmovska 10.

(ALDOSTERONE, ther. use
in obst., review (Cx))

(OBSTETRICS
use of aldosterone, review (Cx))

KAFKA, V.; ELEFANT, E.; SVABENSKA, J.

Esophageal atresia. Cesk. pediat. 14 no.1:1-6 5 Jan 59.

1. Klinika pediatrické chirurgie, prednosta doc. MUDr. V. Kafka, III. dětská klinika, prednosta prof. MUDr. O. Vychytíl. I. dětská klinika, prednosta prof. MUDr. J. Svejcar. V. K., Klin. ped. chir., Ke Karlovu 2, Praha 2.

(ESOPHAGUS, abnorm.

atresia in inf., diag. & surg. (C#))

KAFKA, V.; KUDENOVA, L.; PADOVCOVA, H.

Selection of surgical technics for congenital cyanotic heart diseases: data on 100 operations in children. Rozhl. chir. 38 no.6:429-437 June 59

I. Klinika pediatricke chirurgie KU, prednosta doc. V. Kafka
II. chirurgicka klinika KU, prednosta akademik J. Divis II. detska klinika KU, prednosta prof. J. Houlzek IV. detska klinika KU, prednosta prof. F. Blazek.

(HEART DEFECTS, CONGENITAL, surg.)

KAFKA, Vaclav

Development and achievements of pediatric surgery in Czechoslovakia during recent 15 years. Cesk. pediat. 15 no.5:403-408 My '60.

1. Detska chirurgicka klinika, prednosta doc. dr. V. Kafka a katedra detske chirurgie a ortopedie, vedouci prof. dr. O. Hnevkovsky.

(PEDIATRICS surg.)

KAFKA, Vaclav, prof. MUDr.; KOUTECKY, JOSEF, Dr Sc MUDr.; KUEAT, Karel, MUDr.

Causes of death of surgically treated children. Acta univ. carol.

[med.] no.9:1-127 '61.

(PEDIATRICS surg) (MORTALITY)

FAFLOVA, Helena; KAFKA, Vaclav

Infravesical obstruction. Acta univ. carol. [med.] 7 no.5:573-582
'61.

1. Klinika pediatricke chirurgie fakulty detskoho lekarstvi University
Karlov, prednosta prof. MUDr. V. Kafka, Dr Sc.
(BLADDER abnorm) (URINARY TRACT INFECTIONS in inf & child)

KAFKA, V.; FAFLOVA, H.; HLADIK, M.

Diagnosis of infravesical obstruction in children. Acta univ.
carol. [med.] 7 no.5:583-597 '61.

1. Klinika pediatricke chirurgie fakulty detskeho lekarstvi University
Karlov v Praze, prednosta prof. MUDr. V. Kafka, Dr Sc.
(BLADDER abnorm) (UROLOGY in inf & child)

KAFKA, V.; MUSIL, J.; NCVOTNY, A.; PADOVEC, J.; SORM, F.

Chemotherapy with 6-azauracil in gynaecology. Acta univ. carol.
[med.] 7 no.5:617-633 '61.

1. Klinika chorob zenskych a porodnictvi lekarske fakulty hygienicke
University Karlovy v Praze, vedouci doc. MUDr. J. Padovec Ustav
organické chemie a biochemie CSAV, prednosta akademik F. Sorm
Biochemicke oddeleni fakultni nemocnice v Praze 10, primar MUDr.
RNDr. J. Oppit.

(GENITALIA FEMALE neoplasms) (URACIL antagonists)
(ANTINEOPLASTIC AGENTS ther)

SMETANA, K.; JANELE, J.; KAFKA, V.

The nucleolar coefficient of the lymphocytes in the peripheral blood
in women with carcinoma of the genitalia. Folia biol. 8 no.6:390-395
'62.

1. Electron Microscopy Laboratory of the Czechoslovak Academy of Sciences;
Department of Haematology, Faculty Hospital, Prague 10, Gynaecology and
Maternity Clinic of the Faculty of Medical Hygiene, Charles University,
Prague.

(GYNECOLOGIC NEOPLASMS) (LYMPHOCYTES)
(NEOPLASMS METASTASIS)

KAFKA, V. (Praga, 2-ya Sallovskaya, 10, Chekhoslovakiya); MUSIL,
M. (Praga, Chekhoslovakiya); NOVOTNYY, A. [Novotny, A.] (Praga,
Chekhoslovakiya); PADOVED, I. [Padoved, J.] (Praga, Chekhoslovakiya);
PIKHA, Z. [Picha, Z.] (Praga, Chekhoslovakiya); SHORM, F. [Sorm, F.]
(Praga, Chekhoslovakiya)

Treatment of malignant neoplasms in female sex organs by means of
6-azauracil. Vop onk. 8 no. 10:11-14 '62. (MIRA 17:7)

KAFKA, V.; ZRUSTOVA, M.

Interrelations between carcinoma of the breast and ovary. Cesk. gynek.
27 no.9:669-672 N '62.

1. Gyn.-por. klin. lek. fak. hyg. KU v Praze, predn. doc. dr. J. Padovec
Pat.-anat. ustanov lek. fak. hyg. KU v Praze, predn. doc. dr. J. Stolz.
(BREAST NEOPLASMS) (OVARIAN NEOPLASMS)

CZECHOSLOVAKIA

Musil, J., Kafka, V., KNOBLOCH, E., and PAVLOVSKA, J., Biochemical Department
(fakultativní klinickou biochemii), Faculty Hospital, Prague 10; Department
of Gynecology and Obstetrics (gynekologicko-porodnické oddělení), Faculty
of Medical Hygiene (Lekarska fakulta hygienicka), Charles University, Prague;
Pharmacy and Biochemistry Research Institute (Výzkumný ustanov pro farmacii
a biochemii), Prague [individual affiliations cannot be determined].

"A Simple Method of Determining 6-Azur (6-Azauracilriboside) in the Blood
Serum"

Prague, Ceskoslovenska Farmacie, Vol XIII, No 6, July 1963, pp 310-312.

Abstract [Authors' English summary]: The method described is based on the
separation of proteins by means of gel filtration. The interfering effect
of orotic acid, if present, was eliminated by measuring the extinction at
two wave-lengths, and by calculation described. Nine references, in-
cluding 7 Czech.

KAFKA, Vaclav

A new method of anastomosing the ureter into the intestine. Rozhl.
chir. 41 no.7:464-470 Jl '62.

1. Klinika detske chirurgie detske fakultni nemocnice v Praze, prednosta
prof. dr. V. Kafka, DrSc.
(URETER surgery). (INTESTINES surgery)

MUSIL, J.; KAFKA, V.; KNOBLICH, E.; PAVLOVSKA, J.

A simple method for the determination of 6-AZUR in the blood
serum, Cesk. farm. 17 no.6:310-312 Jl '63.

1. Oddeleni pro klinickou biochemii fakultni namocnice, Praha
10 - Gynecologicko-porodnicka klinika lekarske fakulty
hygienicke KU, Praha - Vyzkumny ustav pro farmacii a biochemii,
Praha.

(BLOOD CHEMICAL ANALYSIS) (NUCLEOSIDES)
(ANTINEOPLASTIC AGENTS)

KAFKA, V. (Prague)

"An approximate method of analysis of the state of stress in a non-homogeneous periodically stratified half-space".

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964.

MUSIL, Y. [Musil, J.]; KAFKA, V.; GAYEK, A. [Hajek, A.]; NOVOTNY, A.;
PADOVETS, Y. [Padovec, J.]; PAVLOVSKA, Y. [Pavlov'ska, J.]

Study of the effectiveness of various doses of 6-azauridine
in malignant tumors of female genitalia. Vop. onk. 10 no.3:62-66
'64. (MIRA 17:8)

1. Biokhimicheskoye otdeleniye fakul'tetskoy bol'nitsy, Praga,
10 (zav. - Y. Opplt [J. Opplt]) i akushersko-ginekologicheskoy
kliniki gigiyenicheskogo meditsinskogo fakul'teta Karlova
universiteta, Praga, 10 (zav. - dotsent I. Padovets [Padovec]).

FAFLOVA, H.; KAFKA, V.; BEDNARIK, T.

Removal of kidney calculi by the Dees method. Experimental study.
Rozhl. chir. 43 no.9:628-632 S '64.

1. Klinika detske chirurgie fakulty detskeho lekarstvi Karlovy
University v Praze (predrosta prof. dr. V. Kafka, DrSc) a Ustav
hematologie a krevni transfuze v Praze (reditel prof. dr. J.
Horejsi, DrSc.).

KAFKA, V.

Prevention in child surgery. Rozhl. chir. 44 no.10:673-677
0 '65.

1. Klinika detske chirurgie fakulty detskeho lekarstvi Karlovy
University v Praze (prednosta prof. dr. V. Kafka, DrSc.).

KAFKA, V.

Determining the most efficient placement of reinforcement in solid prestressed beams. In German. p. 239. (ACTA TECHNICA, Vol. 1, No. 4, 1956, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) I.C., Vol. 6, No. 12, Dec 1957. Uncl.

KAFKA, V.

Stresses in an orthotropic half plane subjected to loads on the edge. Pt.2. in German

p. 173 (Acta Technica) Vol. 2, no. 2, 1957 Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (SEAI) LC, VOL. 7, NO. 1, Jan. 1958

KAFKA, V.

Intensity of a stratified medium. In German. p. 262. (ACTA TECHNICA,
Vol. 2, No. 3, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (FEAL) 1C, Vol. 6, No. 12, Dec 1957. Uncl.

Z/026/62/007/001/003/004
D236/D305

AUTHOR: Kafka, Vratislav, Engineer

TITLE: Stress and deformation of a homogeneous transversally isotropic semi-space under uniform loading of the surface in a rectangular area

PERIODICAL: Aplikace matematiky, v. 7, no. 1, 1962, 37-50

TEXT: The article is concerned with deducing formulae for calculation of stress and deformation of a semi-space, where the modulus of elasticity is different for the horizontal and vertical positions. Uniform loading is assumed as being the most important type from the practical point of view. The main formulae as deduced are:

$$\gamma_i = \frac{q}{2\pi} \sum_{l=1}^2 \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{l+j+k} \frac{1}{s_i} \left(m_i \operatorname{arctg} \frac{x_j y_k}{y_k^2 + s_i^2 z^2 + s_i z \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}} - k_i \operatorname{arctg} \frac{x_j y_k}{x_j^2 + s_i^2 z^2 + s_i z \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}} \right), \quad (5)$$

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$$\sigma_{xy} = -\frac{q}{2} \sum_{i=1}^2 \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{i+j+k} \frac{k_i + m_i}{s_i} \ln [s_i z + (x_j^2 + y_k^2 + s_i^2 z^2)] \quad (10)$$

$$w = \frac{q}{2\pi} \sum_{i=1}^2 \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{i+j+k} \frac{1}{s_i^2} \left[a_{13}(k_i - m_i) - a_{33} \frac{s_1 s_2}{s_2 - s_1} \right] \cdot \left\{ y_k \ln [x_j + \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}] + x_j \ln [y_k + \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}] - s_i z \operatorname{arctg} \frac{x_j y_k}{s_i z \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}} \right\}.$$

(15)

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Comparing formulae

$$\sigma_z = \frac{q}{2\pi} \cdot \frac{s_1 s_2}{s_2 - s_1} \sum_{i=1}^2 \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{i+j+k} \frac{1}{s_i} \operatorname{arctg} \frac{x_i y_k}{s_i z \sqrt{(x_j^2 + y_k^2 + s_i^2 z^2)}}, \quad (7)$$

and

$$\begin{aligned} (\sigma_z)_i &= \lim_{s_1 \rightarrow i} \frac{q}{2\pi} \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{j+k} \frac{1}{1-s_1} \left(s_1 \operatorname{arctg} \frac{x_j y_k}{z \sqrt{(x_j^2 + y_k^2 + z^2)}} - \right. \\ &\quad \left. - \operatorname{arctg} \frac{x_j y_k}{s_1 z \sqrt{(x_j^2 + y_k^2 + s_1^2 z^2)}} \right) = \\ &= - \frac{q}{2\pi} \sum_{j=1}^2 \sum_{k=1}^2 (-1)^{j+k} \left[\operatorname{arctg} \frac{x_j y_k}{z \sqrt{(x_j^2 + y_k^2 + z^2)}} + \right. \\ &\quad \left. + \frac{x_j y_k z}{(x_j^2 + z^2) \sqrt{(x_j^2 + y_k^2 + z^2)}} + \frac{x_j y_k z}{(y_k^2 + z^2) \sqrt{(x_j^2 + y_k^2 + z^2)}} \right]. \end{aligned} \quad (34)$$

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for the isotropic space it can be seen that the formulae for the stress component are fairly simple, although their deduction is fairly complex and is only indicated in the article. There are 2 figures and 12 references: 10 Soviet-bloc and 2 non-Soviet-bloc. The references to the English-language publications read as follows:
H. A. Elliot: Three dimensional Stress Distributions in Hexagonal Alotropic Crystals. Proc. Cambr. Phil. Socy. 44, (1948), 522;
H. A. Elliot: Notes on Problems in Hexagonal Alotropic Materials, Proc. Cambr. Phil. Socy. 47, (1951), 401.

ASSOCIATION: Ústav teoretické a aplikované mechaniky ČSAV (Institute for Theoretical and Applied Mechanics Czechoslovak AS)

SUBMITTED: November 26, 1960

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DVORAK, Jaroslav, inz. CSc.; KAFKA, Vratislav, inz. CSc.

Second All Union Congress on Theoretical and Applied Mechanics. Stav cas 12 no.9:581-583 '64.

1. Institute of Theoretical and Applied Mechanics of the Czechoslovak Academy of Sciences, Prague.

DVORAK,O.; ELIS, J.; JELINEK, J.; KAFKA, V.; MUSIL,J.; SCHUBERT, J.

Comparison of thyminalkylamine and endoxan effect on advanced gynecological carcinomas in a controlled clinical trial.
Neoplasma (Bratisl.) 12 no.1:87-91 '65

1. Oncological Laboratory of FVL, Charles University; Pharmacological Institute of Czechoslovak Academy of Sciences; Institute of Epidemiology and Microbiology; Gynecological and Obstetrical Clinic of LFH, Charles University; Gynecological and Obstetrical Department, Hospital Motol; Prague, Czechoslovakia.

KAFKOVA, D.

KAFKOVA, I. Study of the movement of underground waters by use of the method of electrohydrodynamic analogy. p. 298.

Vol. 3, No. 4, 1955
SOVETSKA VEDA: VODNI STAVITELSTVI.
TECHNOLCGY
Praha, Czechoslovakia

So: East European Accessions, Vol. 5, No. 5, May 1956

KAFKOVA, Dagmar

Use of the Fourier method in solution of water hammer in
pipelines. Rozpravy techn. CSAV 73 no.5:1 - 106 '63.